

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): An arrangement for the production of a three-dimensional product, which ~~arrangement comprises~~ includes a work bench on which the said three-dimensional product is to be constructed, a powder dispenser which is arranged to apply a thin layer of powder onto the work bench to create a powder bed, an irradiation gun for transmitting energy to the powder so that melting of the powder takes place, the arrangement comprising:

a casing within which the pressure is reduced in relation to the atmospheric pressure and within which the work bench and the irradiation gun are located, ~~characterized in that wherein the powder dispenser, or a supply pipe connected to the powder dispenser, is arranged partially outside the casing is directly accessible from outside the casing for refill of powder material while production is in progress.~~

Claim 2 (Currently Amended): The arrangement as claimed in claim 1, ~~characterized in that it comprises means for preventing the powder dispenser's contact with the surroundings affecting~~ wherein the powder dispenser is constructed and disposed such that access to the powder dispenser from outside the casing does not affect the pressure conditions inside the casing.

Claim 3 (Currently Amended): The arrangement as claimed in claim 2, ~~characterized in that the means for maintaining the pressure conditions inside the casing is~~ wherein a column of powder in the powder dispenser acts as a pressure barrier between the inside of the casing and the environment outside the casing.

Claim 4 (Currently Amended): The arrangement as claimed in claim 3, ~~characterized in that~~ wherein the column of powder has a height of 1000 mm.

Claim 5 (Currently Amended): The arrangement according to any one of the above claims, ~~characterized in that it comprises~~further comprising a first chamber ~~(23)~~, which encloses the work bench, and a second chamber ~~(24)~~, which encloses the irradiation gun ~~(6)~~, the chambers ~~(23), (24)~~ being located inside the casing and connected to each other via a duct ~~(25)~~.

Claim 6 (Currently Amended): The arrangement as claimed in claim 5, ~~characterized in that wherein~~ the powder dispenser is arranged in association with the first chamber.

Claim 7 (Currently Amended): The arrangement according to claim 1, ~~characterized in that it comprises~~further comprising a supply device ~~(31)~~ in the form of a container with compartments which can be moved so that powder can be supplied to the powder dispenser ~~(4)~~ from the different compartments.

Claim 8 (New): The arrangement of claim 1, the irradiation gun comprising an electron gun.